

## CLAIMS:

1. A method of predicting input of electronic objects in a communication device, the method including the steps of:
  - (a) establishing a first database of electronic objects susceptible to being inserted into multimedia messages composable on the device;
  - 5 (b) establishing a second database of electronic object attributes;
  - (c) establishing one or more associations between at least one object of the first database and at least one corresponding attribute of the second database;
  - (d) receiving from a user of the device a request for inclusion of one or more of the objects into a multimedia message, said request including at least one input argument;
  - 10 (e) matching said at least one input argument with said at least one attribute in the second database and thereby identifying one or more objects corresponding to the at least one input argument and its associated at least one attribute; and
  - (f) presenting to the user a display representation of said one or more objects corresponding to said at least one argument.
- 15 2. A method as claimed in claim 1, wherein said one or more identified objects from step (e) are presented in a prioritised manner relative to other objects in the first database.
- 20 3. A method as claimed in claim 2, wherein said one or more identified objects from step (e) are presented firstly to the user.
4. A method as claimed in claim 1, wherein said one or more identified objects from step (e) are presented in an order wherein objects with most matching attributes to said one or more arguments are presented firstly in progressive order to those objects with least  
25 matching attributes to said one or more arguments.
5. A method as claimed in claim 1, wherein said one or more attributes include at least one of:

- (a) relationship of the user to one or more intended recipients of the message;
  - (b) a degree of desired informality of said message;
  - (c) chronological time of at least one of an instance of generating the message and an instance of despatching said message;
  - 5 (d) ambient conditions of the user when composing the message, said conditions including at least one of ambient illumination intensity, ambient temperature, ambient humidity, ambient altitude;
  - (e) geographical spatial location of the user when at least one of composing and sending the message;
  - 10 (f) location of the user in accordance with the location function;
  - (g) a previous history of a preferred selection of said one or more objects exercised by the user;
  - (h) at least one of a telephone number and a cyberspace address of said one or more intended recipients for the message; and
  - 15 (i) a word already part of the message.
6. A method as claimed in claim 1, wherein the device includes position measuring means for determining its geographical spatial location.
- 20 7. A method as claimed in claim 1, wherein the device includes graphical displaying means for representing said identified objects in a manner susceptible to interrogation from the user by way of scrolling representation of the identified objects.
8. A method as claimed in claim 1, wherein the device is arranged to be operable
- 25 to present to the user objects grouped in accordance with one or more of their attributes.
9. A computer program product enabling a programmable device to perform a method as claimed in claim 1.
- 30 10. A communication device operable to predict input of electronic objects thereto, the device including:
- (a) a first database of electronic objects susceptible to being inserted into multimedia messages composable on the device;
  - (b) a second database of electronic object attributes;

- (c) associating means for establishing one or more associations between at least one object of the first database and at least one corresponding attribute of the second database;
- (d) request receiving means for receiving from a user of the device a request for  
5 inclusion of one or more of the objects into a multimedia message, said request including at least one input argument;
- (e) computing means for matching said at least one input argument with said at least one attribute in the second database and for identifying one or more objects corresponding to the at least one input argument and its associated at least one attribute; and
- 10 (f) displaying means for presenting to the user a display representation of said one or more objects corresponding to said at least one argument.